ABSTRACT OF THE DISCLOSURE

Disclosed is a wire for arc welding of high feedability having a hardness deviation of less than 18 between a central portion and a surface of a cross section of the wire, and a hardness deviation of less than 15 between each interval of 200mm in a longitudinal direction when measured by an Hv1 hardness tester. The hardness deviation of the wire is adjustable through control of the area, in which the wire is in contact with dies. The present invention is characterized by adjusting the hardness deviation of the wire by adjusting the contact area ratio defined by the following formula.

Contact area ratio = Reduction contact ratio (Reduction contact area/Cross section area of an incoming wire) + Correction contact ratio (Correction contact area/Cross section area of an outgoing wire)